CHILTON'S
IRON AGE
August 6, 1984

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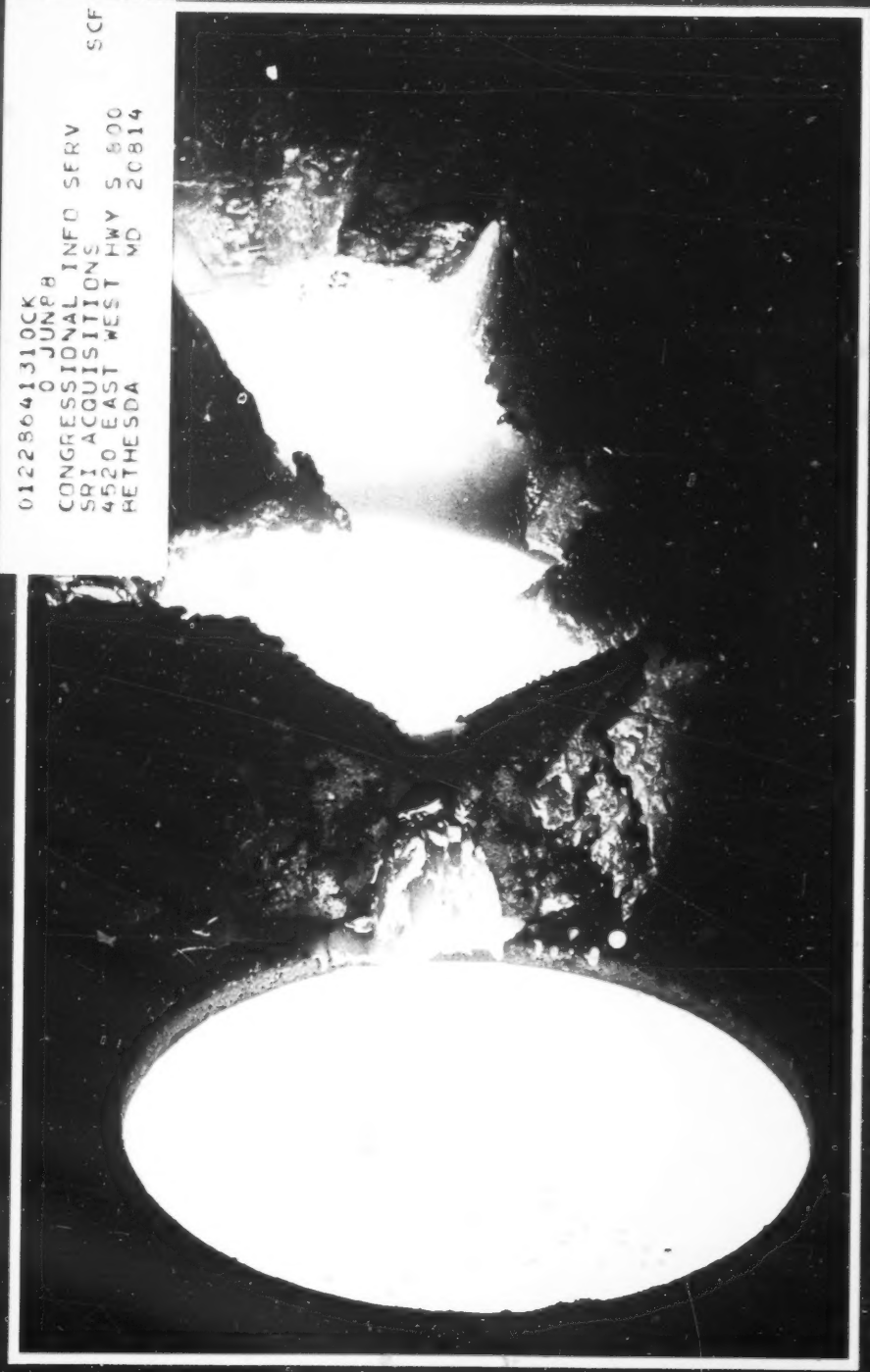

HOW VACUUM MELTING IS MAKING THE BEST ALLOYS BETTER

U.S. Steel-Bethlehem: A Partnership in Strip Casting

In Plant Spotlight: Continental's $18 Million Bargain

Quality, What It Takes: Cabot's New Plant is a Miracle of Timing

AUGUST 6, 1984 VOL. 227, NO. 15

CHILTON'S
IRON AGE
METALS PRODUCER

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PRICE & PRODUCTION DATA

(Effective July 23, 1984)

Steel production by districts, thousands of tons (000 omitted)

	Last Week	Two Weeks Ago	Month Ago	Year Ago
North East Coast	218	215	230	171
Pittsburgh	247	213	231	194
Youngstown	88	82	99	96
Lake Erie	120	122	127	114
Detroit	189	156	163	132
Chicago	466	463	487	459
Cincinnati	89	100	109	95
St. Louis	60	59	79	69
Southern	188	188	209	125
Western	79	78	90	87
U.S. Production	1,744	1,676	1,824	1,572

Source: American Iron & Steel Institute

Lake Superior Ore Prices

51.50% Fe Natural delivered lower Lake ports. Rail transportation, handling and unloading may be charged to the account of the buyer. Coarse ore 80¢ premium.

Pellets (per iron unit natural).....gross-ton 80.50-86.9*
Mesabi, regular-unscreened .....gross-ton $32.53
Mesabi, non-bessemer.....gross-ton $30.03-31.53**

*80.50¢—Pickands Mather as of 1/27/81.
86.9¢—U. S. Steel as of 3/15/82. Cleveland-Cliffs as of 2/26/82, Oglebay Norton as of 3/25/82, and Hanna Mining as of 2/26/82.
**Effective 8/1/83.

STEEL PRODUCTION, COMPOSITE PRICES

(Effective July 23, 1984)

U.S. Steel Production	Last Week	Two Weeks Ago	To Date 1984	To Date 1983
Net tons, in thousands	1,744	1,676	56,439	44,724
Capability Utilization Rate	67.6	64.9	75.2	53.3

Composite Prices	This Week	Week Ago	Month Ago	Year Ago
Finished Steel Base* (¢/lb.—eff. 7/1/84)	27.582	27.582	27.405	26.217
Pig Iron* * (Net ton = 2000 lbs.)	$213.00	$213.00	$213.00	$213.00
Scrap No. 1 hvy.* * * (Gross ton = 2240 lbs.)	$ 82.17	$ 82.17	$ 85.17	$ 72.50
No. 2 bundles	$ 50.83	$ 50.83	$ 56.17	$ 45.50

Scrap Comparison (Gross Ton)

No. 1 steel, Pittsburgh..	$ 88.50	$ 88.50	$ 94.50	$ 74.50
No. 1 steel, Philadelphia ..	80.50	80.50	80.50	68.50
No. 1 steel, Chicago.....	77.50	77.50	80.50	74.50
No. 1 bundles, Detroit	75.50	75.50	82.50	71.50
Low Phos., Youngstown ..	80.50	80.50	89.50	77.50
No. 1 mach'y cast., Pgh...	75.50	75.50	79.50	74.50
No. 1 mach'y cast., Phila .	98.50	98.50	98.50	95.50
No. 1 mach'y cast., Chi..	115.50	115.50	117.50	108.50

*Finished Steel Composite: Weighted index of steel bars, shapes, plates, wire, rails, black pipe, hot and cold rolled sheets and strips.
* *Pig Iron Composite: Based on average prices for basic and foundry pig iron at representative producing points within the U.S.
* * *Steel Scrap Composite: Average of No. 1 hvy. melting steel scrap and No. 2 bundles delivered to consumers at Pittsburgh, Philadelphia and Chicago.

NONFERROUS PRICES

(Effective July 23, 1984) Prices obtained in trade based on representative tonnages per gross ton delivered to consumer unless otherwise stated

Primary Metal Prices

(cents per lb.)	current price	last price	date of change
Aluminum (LME)	52.50	52.11	7/23/84
Copper (C)	63.00-65.00	64.00-66.00	7/17/84
Lead	30.00-34.00	32.00-34.00	7/10/84
Magnesium Ingot	148.00	143.00	5/25/84
Nickel	329.00	350.00	11/25/81
Titanium Sponge	555.00-585.00	555.00	4/29/82
Zinc	50.00	50.00-53.00	7/3/84

ALUMINUM: Avg. for last week & previous week. COPPER (C) = cathode. LEAD: common grade. MAGNESIUM: 99.8% pig, delivered. NICKEL: electro., Port Colborne, Canada. ZINC: high grade.

Antimony, American Laredo, Texas . $2.00
Beryllium-aluminum 5% Be, per lb. contained Be $230.00
Beryllium-copper, per lb. cont. Be $130.00
Beryllium 97% powder 200 ..... $178.00
Cadmium, ton lots ..... $1.55-$2.25
Calcium, ton lots, crown $3.58
Chromium, 99.8% $3.75
Cobalt, 99%, cathode $12.50
Gold per troy oz. $335.00
Indium, dollars per troy oz. ..... $3.30-$3.60
Iridium, dollars per troy oz. $500
Magnesium sticks, 10,000 lbs $1.97
Mercury, per 76-lb. f.o.b. N.Y. .. $310-$320
Molybdenum, lb. tech. moly oxides, 20 lb. MO can $6.85
Nickel oxide sinter at U.S. points of entry $3.12
Palladium, per troy oz. $140
Platinum, per troy oz. $345
Rhodium, per troy oz. $700
Silver ingots, per troy oz $7.15
Vanadium $6.00
Zirconium sponge ..... $12.00-$17.00
(Per lb. unless otherwise noted)

Straits Tin Price

(U.S. cents per lb, EX-SMELTER, based on daily market in Penang in Malaysian dollars per kilo.)

July 16—565.78
July 17—563.67
July 18—563.01
July 19—563.67
July 20—562.74

Scrap Prices
Brass Mill Scrap

(Cents per lb; over 20,000 lbs. add 1¢ per lb)

	Solids	Turning
Copper	59½	56½
Yellow brass	56⅝	53¼
Red brass	57	54¼
Comm. bronze	57⅛	54½
Mang. bronze	56	50
Free cutting rod ends	59	59

Custom Smelters Scrap

(Cents per lb., carload lots, del. refinery)

No. 1 copper wire	56
No. 2 copper wire	48
Light copper	39

Ingot Makers Scrap

(Cents per lb., carload lots, del. refinery)

No. 1 copper wire	52
No. 2 copper wire	44
Light copper	35
No. 1 composition	55
No. 1 comp. turnings	53
Hvy. yellow brass solids	37
Hvy. yellow brass turnings	35
Radiators	41

Aluminum

New mixed clips	42	—43
Old sheet	39	—40
Old cast	39	—40
Clean dry borings	40	—41

Dealers' Scrap

(Dealers' buying price f.o.b. New York in cents per pound)

Aluminum

Segregated clippings	37	—38
Mixed L.C. clips	34	—35
Old sheets and cast	30	—31
Borings and turnings	23	—24
Duraluminum clippings	27	—28

Copper and Brass

No. 1 copper wire	47	—48
No. 2 copper wire	39	—40
Light copper	35	—36
Radiators	33	—34
No. 1 composition	42	—43
No. 1 composition turn'gs	39	—40
Cocks and faucets	30	—31
Clean heavy yellow brass	29	—30
Brass Pipe	30	—31
New soft brass clippings	43	—44

Lead

Heavy soft lead	10	—11
Whole batteries	3	— 4
Type metal	16	—17
Electrotype	13	—14

Nickel

Nickel solids	120	—130
Nickel rod ends	120	—130
Nickel sheets, clips	120	—130
Nickel turnings	50	— 60

Zinc

New zinc clippings	18	— 19
Old diecast zinc	14	— 15

EFFECTIVE JULY 23, 1984

(Effective July 23, 1984) Prices obtained in trade based on representative tonnages per gross ton delivered to consumer unless otherwise stated. Prices are the opinions of *Iron Age* editors and correspondents, based on contacts with dealers, brokers, generators and users in the industry on the effective date listed above.

Ferrous Scrap Prices

Pittsburgh

No. 1 hvy. melting	$ 88.00 to	$ 89.00
No. 2 hvy. melting	78.00 to	79.00
No. 1 dealer bundles	96.00 to	97.00
No. 1 factory bundles (auto)	96.00 to	97.00
No. 2 bundles	53.00 to	54.00
No. 1 busheling	97.00 to	98.00
Machine shop turn	12.00 to	13.00
Shoveling turnings	49.00 to	50.00
Cast iron borings	48.00 to	49.00
Low phos. punchings plate	104.00 to	105.00
Heavy turnings	78.00 to	79.00
No. 1 RR hvy. melting	90.00 to	91.00
Rails 2 ft. and under	114.00 to	115.00
Scrap rails, random lgth	103.00 to	104.00
RR specialties	105.00 to	106.00
No. 1 machinery cast	75.00 to	76.00
Cupola cast	68.00 to	69.00
Heavy breakable cast	30.00 to	31.00
Stainless		
18-8 bundles and solids	580.00 to	590.00
18-8 turnings	480.00 to	490.00

Chicago

No. 1 hvy. melting	$ 77.00 to	$ 78.00
No. 2 hvy. melting	71.00 to	72.00
No. 1 dealer bundles	91.00 to	92.00
No. 1 factory bundles (auto)	92.00 to	93.00
No. 2 dealer bundles	49.00 to	50.00
No. 1 busheling	91.00 to	92.00
Shredder scrap	89.00 to	90.00
Machine shop turn	42.00 to	43.00
Mixed bor. and turn	43.00 to	44.00
Shoveling turnings	49.00 to	50.00
Cast iron borings	49.00 to	50.00
Low phos. forge crop	111.00 to	112.00
Low phos. punchings plate ¼ in. and heavier	121.00 to	122.00
Low phos. 2 ft. and under	116.00 to	117.00
No. 1 RR hvy. melting	83.00 to	84.00
Scrap rails, rasdom lgth	87.00 to	88.00
Reroller rails	108.00 to	109.00
Rails, 2 ft. and under	115.00 to	116.00
RR couplers and knuckles	97.00 to	98.00
RR car axles	129.00 to	130.00
No. 1 machinery cast	115.00 to	116.00
Cupola cast	102.00 to	103.00
Stove plate	99.00 to	100.00
Steel car wheels	103.00 to	104.00
Stainless		
18-8 bundles and solids	490.00 to	500.00
18-8 turnings	420.00 to	430.00
430 bundles and solids	120.00 to	125.00
430 turnings	80.00 to	90.00

Philadelphia

No. 1 hvy. melting	$ 79.00 to	$ 82.00
No. 2 hvy. melting	69.00 to	72.00
No. 1 dealer bundles	93.00 to	96.00
No. 2 dealer bundles	48.00 to	51.00
No. 1 busheling	92.00 to	95.00
Shredder scrap	96.00 to	99.00
Machine shop turn	29.00 to	32.00
Mixed bor. and turn	29.00 to	32.00
Shoveling turnings	41.00 to	44.00
Low phos. 5 ft. and under	95.00 to	98.00
Low phos. 2 ft. punchings	115.00 to	118.00
Electric furnace bundles	101.00 to	104.00
RR specialties	100.00 to	103.00
Rails, 2 ft. and under	117.00 to	120.00
Cupola cast	70.00 to	73.00
Heavy breakable cast	57.00 to	60.00
No. 1 machinery cast	97.00 to	100.00

Detroit

Broker buying prices per gross ton on cars:

No. 1 hvy. melting	$ 55.00 to	$ 56.00
No. 2 hvy. melting	54.00 to	55.00
No. 1 dealer bundles	75.00 to	76.00
No. 2 bundles	37.00 to	38.00
No. 1 busheling	74.00 to	75.00
Drop forge flashings	49.00 to	50.00
Machine shop turn	45.00 to	46.00
Mixed borings and turn	23.00 to	24.00
Shoveling turnings	46.00 to	47.00
Cast iron borings	36.00 to	37.00
Heavy breakable cast	38.00 to	39.00
Mixed cupola cast	54.00 to	55.00
Automobile cast	77.00 to	78.00
Stainless		
18-8 bundles and solids	445.00 to	455.00
18-8 turnings	350.00 to	360.00
430 bundles and solids	100.00 to	110.00

Youngstown

No. 1 hvy. melting	$ 66.00 to	$ 69.00
No. 2 hvy. melting	47.00 to	50.00
No. 1 dealer bundles	79.00 to	82.00
No. 2 dealer bundles	35.00 to	38.00
Machine shop turn	13.00 to	16.00
Shoveling turnings	18.00 to	21.00
Low phos. plate	79.00 to	82.00
Electric furnace bundles	76.00 to	79.00
Galvanized bundles	67.00 to	70.00

Cleveland

No. 1 hvy. melting	$ 60.00 to	$ 63.00
No. 2 hvy. melting	37.00 to	40.00
No. 1 dealer bundles	71.00 to	74.00
No. 1 factory bundles	75.00 to	78.00
No. 2 bundles	19.00 to	22.00
No. 1 busheling	73.00 to	76.00
Machine shop turn	8.00 to	11.00
Mixed bor. and turn	8.00 to	11.00
Shoveling turnings	10.00 to	13.00
Cast iron borings	13.00 to	16.00
Cut structural & plates, 2 ft. and under	105.00 to	108.00
Low phos. punchings plate	105.00 to	108.00
Drop forge flashings	47.00 to	50.00
Foundry steel, 2 ft. & under	65.00 to	68.00
No. 1 RR hvy melting	82.00 to	85.00
Rails, 2 ft. and under	112.00 to	115.00
Rails, 18 in. and under	113.00 to	116.00
Steel axle turnings	67.00 to	70.00
Railroad cast	100.00 to	103.00
No. 1 machinery cast	109.00 to	112.00
Cupola cast	63.00 to	66.00
Stove plate	48.00 to	51.00
Stainless		
18-8 bundles	375.00 to	385.00
18-8 turnings	325.00 to	335.00
430 bundles	80.00 to	85.00

Buffalo

Broker buying prices per gross ton on cars:

No. 1 hvy. melting	$ 67.00 to	$ 68.00
No. 2 hvy. melting	56.00 to	57.00
No. 1 busheling	79.00 to	80.00
No. 1 dealer bundles	79.00 to	80.00
No. 2 bundles	37.00 to	38.00
Machine shop turn	14.00 to	15.00
Mixed bor. and turn	13.00 to	14.00
Shoveling turnings	17.00 to	18.00
Cast iron borings	22.00 to	23.00
Low phos. plate	95.00 to	96.00
Structural and plate, 2 ft. and under	96.00 to	97.00
Rails, 2 ft. and under	94.00 to	95.00
Scrap rails, random lgth	74.00 to	75.00
No. 1 machinery cast	79.00 to	80.00
No. 1 cupola cast	59.00 to	60.00

St. Louis

No. 1 hvy. melting	$ 68.00 to	$ 69.00
No. 2 hvy. melting	57.00 to	58.00
Foundry steel, 2 ft.	66.00 to	67.00
No. 1 dealer bundles	68.00 to	69.00
No. 2 bundles	54.00 to	55.00
Machine shop turn	17.00 to	18.00
Shoveling turnings	23.00 to	24.00
Cast iron borings	27.00 to	28.00
No. 1 RR hvy. melting	68.00 to	69.00
Rails, random length	70.00 to	71.00
Rails, 18 in. and under	89.00 to	90.00
RR specialties	85.00 to	86.00
Cupola cast	72.00 to	73.00
Heavy breakable cast	50.00 to	51.00
Stove plate	83.00 to	84.00
Steel car wheels	81.00 to	82.00
Rerolling rails	80.00 to	81.00
Unstripped motor blocks	56.00 to	57.00

Birmingham

No. 1 heavy melting	$ 75.00 to	$ 76.00
No. 2 heavy melting	67.00 to	68.00
No. 1 dealer bundles	75.00 to	76.00
No. 2 bundles	54.00 to	55.00
No. 1 busheling	75.00 to	76.00
Shredder scrap	93.00 to	94.00
Machine shop turn	33.00 to	34.00
Shoveling turnings	44.00 to	45.00
Cast iron borings	44.00 to	45.00
Electric furnace bundles	66.00 to	67.00
Elec. furnace, 3 ft. & under	71.00 to	72.00
Structural and plate, 2 ft.	97.00 to	98.00
Structural and plate, 4 ft.	87.00 to	88.00
No. 1 RR hvy. melting	87.00 to	88.00
Scrap rails, random lgth	82.00 to	83.00
Rails, 2 ft. and under	102.00 to	103.00
Angles and splice bars	87.00 to	88.00
No. 1 cupola cast	85.00 to	86.00
Unstripped motor blocks	67.00 to	68.00

Cincinnati

Brokers buying prices per gross ton on cars:

No. 1 hvy. melting	$ 62.00 to	$ 63.00
No. 2 hvy. melting	56.00 to	57.00
No. 1 dealer bundles	74.00 to	75.00
No. 2 bundles	34.00 to	35.00
Machine shop turn	6.00 to	7.00
Shoveling turnings	8.00 to	9.00
Cast iron borings	21.00 to	22.00
Low phos. 18 in. and under	90.00 to	91.00
Rails, random length	72.00 to	73.00
Rails, 2 ft. and under	88.00 to	89.00
No. 1 cupola cast	61.00 to	62.00
Heavy breakable cast	28.00 to	29.00
Drop broken cast	82.00 to	83.00

New York

Brokers buying prices per gross ton on cars:

No. 1 hvy. melting	$ 50.00 to	$ 52.00
No. 2 hvy. melting	41.00 to	43.00
No. 2 dealer bundles	23.00 to	27.00
Mixed bor. and turn	11.00 to	13.00
Machine shop turn	6.00 to	7.00
Shoveling turnings	14.00 to	15.00
Clean cast. chem. borings	35.00 to	36.00
No. 1 machinery cast	89.00 to	90.00
Mixed yard cast	50.00 to	51.00
Heavy breakable cast	10.00 to	12.00
Stainless		
18-8 prepared solids	490.00 to	510.00
18-8 turnings	390.00 to	410.00
430 prepared solids	90.00 to	110.00
410 solids	80.00 to	90.00

Boston

Brokers buying prices per gross ton on cars:

No. 1 hvy. melting	$ 65.00 to	$ 66.00
No. 2 hvy. melting	55.00 to	56.00
No. 1 dealer bundles	70.00 to	71.00
No. 2 bundles	39.00 to	41.00
No. 1 busheling	75.00 to	76.00
Shredder scrap	73.00 to	75.00
Machine shop turn	14.00 to	16.00
Shoveling turnings	20.00 to	22.00
No. 1 machinery cast	90.00 to	95.00
Mixed cupola cast	48.00 to	50.00
Heavy breakable cast	18.00 to	20.00

San Francisco

No. 1 hvy. melting	$ 43.00 to	$ 45.00
No. 2 hvy. melting	37.00 to	39.00
No. 1 dealer bundles	33.00 to	35.00
No. 2 dealer bundles	16.00 to	18.00
Machine shop turn	6.00 to	8.00
Cast iron borings	6.00 to	8.00
No. 1 cupola cast	81.00 to	83.00

Los Angeles

No. 1 hvy. melting	$ 44.00 to	$ 46.00
No. 2 hvy. melting	37.00 to	39.00
No. 1 dealer bundles	34.00 to	36.00
No. 2 dealer bundles	16.00 to	18.00
Machine shop turn	10.00 to	12.00
Shoveling turnings	8.00 to	10.00
Cast iron borings	6.00 to	8.00
Elec. furnace, 1 ft. and under (foundry)	77.00 to	79.00
No. 1 cupola cast	75.00 to	77.00

Seattle

No. 1 hvy. melting	$ 70.00 to	$ 72.00
No. 2 hvy. melting	59.00 to	61.00
No. 2 bundles	41.00 to	43.00
No. 1 cupola cast	97.00 to	99.00
Mixed yard cast	84.00 to	86.00

Hamilton, Ont.

Brokers buying price per net ton on cars:

No. 1 heavy melting	$ 90.00
No. 2 heavy melting cut 2 ft. and under	84.00
No. 1 dealer bundles	92.00
No. 2 bundles	48.00
Mixed steel scrap	62.00
Bush. new fact. prep'd.	92.00
Bush. new fact. unprp'd.	82.00
Machine shop turn	41.00
Short steel turn	43.00
Mixed bor. and turn	30.00
Cast scrap	73.00

Houston

Brokers buying prices per gross ton on cars:

No. 1 hvy. melting	$ 73.00 to	$ 74.00
No. 2 hvy. melting	59.00 to	60.00
No. 2 bundles	42.00 to	43.00
Machine shop turn	16.00 to	17.00
Crushed turnings	36.00 to	37.00
Shredder scrap	78.00 to	79.00
Cut structural plate, 2 ft. and under	100.00 to	102.00
Cut structural plate, 5 ft. and under	89.00 to	91.00
Unstripped motor blocks	60.00 to	61.00
Cupola cast	75.00 to	76.00

PRODUCER KEY
With Principal Offices

A4 American Cladmetals Co., Carnegie, Pa.
A7 Armco Inc., Middletown, Ohio
A8 Atlantic Steel Co., Atlanta, Ga.
A11 Atlantic Wire Co., Branford, Conn.

B1 Baron Drawn Steel Corp., Toledo, Ohio
B3 Bethlehem Steel Corp., Bethlehem, Pa.
B4 Blair Strip Steel Co., New Castle, Pa.
B5 Bliss & Laughlin Steel Co., Harvey, Ill.

C1 Calstrip Corp., Los Angeles
C6 CF&I Steel Corp., Pueblo, Colo.
C10 Copperweld Steel Co., Warren, Ohio
C11 Crucible Divisions, Colt Industries, Pittsburgh, Pa.
C15 G. O. Carlson, Inc., Thorndale, Pa.
C16 Connors Steel Co., Birmingham, Ala.
C20 Calumet Steel Div., Chicago Heights, Ill.
C21 Cumberland Steel Co., Cumberland, Md.

D1 Detroit Strip Div., Cyclops Corp.
D2 Driver Wilbur B., Co., Newark, N. J.
D3 Driver Harris Co., Harrison, N. J.

E3 Enamel Products & Plating Co., McKeesport, Pa.
E4 Elliot Bros. Steel Co., New Castle, Pa.

F1 Firth Sterling, Inc., McKeesport, Pa.

G2 Granite City Steel Co., Granite City, Ill.
G3 Great Lakes Steel Division, National Steel Corp., Ecorse, Mich.
G4 Greer Steel Co., Dover, O.
G5 Green River Steel Corp., Owensboro, Ky.
G6 Gibraltar Steel Corp., Buffalo, N. Y.
G7 Georgetown Steel Corp., Georgetown, S. C.
G8 Guterl Special Steel Corp.

H1 Hercules Drawn Steel Corp., Livonia, Mich.

I2 Ingersoll Steel Div., New Castle, Ind.
I3 Inland Steel Co., Chicago, Ill.
I4 Interlake Steel Corp., Chicago

J2 Jessop Steel Corp., Washington, Pa.
J3 Jones & Laughlin Steel Corp., Pittsburgh
J4 Joslyn Mfg. & Supply Co., Chicago
J5 Judson Steel Corp., Emeryville, Calif.

K2 Keystone Consolidated Industries, Inc.
K3 Kentucky Electric Steel Co., Ashland, Kentucky
K5 Kemco Div., Foote Mineral Co., Keokuk, Iowa

L2 La Salle Steel Co., Chicago
L3 Lone Star Steel Co., Dallas
L4 Lukens Steel Co., Coatesville, Pa.
L5 Litho-Strip Corp., Chicago

M2 McLouth Steel Products Corp.
M4 Mid States Steel & Wire Co., Crawfordsville, Ind.
M8 Mill Strip Products Div., National Steel Service Center, National Steel Corp.
M9 Moltrup Steel Products Co., Beaver Falls, Pa.
M11 Midwest Steel Div., National Steel Corp., Portage, Ind.

N1 Northeast Precision Steel Co., Boston, Mass.
N4 Northwestern Steel & Wire Co., Sterling, Ill.
N6 Northwest Steel Rolling Mills, Seattle, Wash.
N9 Nelson Steel & Wire Co., Chicago, Ill.
N10 North Star Steel Co., Saint Paul, Minnesota

O2 Oregon Steel Mills, Portland, Ore.

P2 Phoenix Steel Corp., Claymont, Del.
P9 Pacific States Steel Co., Niles, Cal
P14 Pacific Tube Co., Los Angeles
P15 Philadelphia Steel and Wire Corp., Phila.

R3 Republic Steel Corp., Cleveland
R4 Ramco Steel Co., Buffalo, N. Y.
R5 Roblin Steel Corp., Inc., North Tonawanda, N. Y.
R6 Rodney Metals, Inc., New Bedford, Mass.
R7 Rome Strip Steel Co., Rome, N. Y.

S1 Sharon Steel Corp., Sharon, Pa.
S7 Stanley Works, New Britain, Conn.
S8 Superior Drawn Steel Co., Monaca, Pa.
S10 Seneca Steel Service, Buffalo, N. Y.
S16 Southern Precision Steel Co., Gulfport, Miss.

T4 Thomas Steel Strip Co., Warren, O.
T5 Timken Company, Steel Division, Canton, O.
T7 Texas Steel Co., Fort Worth, Tex.
T9 Triumph Electro Corp., Chicago, Ill.
T10 Tennessee Forging Steel Corp., Harriman, Tenn.
T11 Teledyne Columbia-Summerill, Carnegie, Pa.

U1 United States Steel Corp., Pittsburgh, Pa.

W3 Weirton Steel Corp., Weirton, West Va.
W5 Wheeling-Pittsburgh Steel Corp.
W7 Wilson Steel & Wire Co., Chicago
W10 Wyckoff Steel Div., Ampco-Pittsburgh Corp., Pittsburgh, Pa.
W14 Whittaker Steel Strip Div., Detroit, Mich.

STEEL SERVICE CENTER PRICES

Price, Dollars per 100 lb

Prices are based on list prices reported to *Iron Age* by a number of metal service centers deemed representative by *Iron Age* and then weighted based in part on the reports received each month. Prices are not intended to reflect the actual transaction prices obtained by any individual metal service center.

Cities*	Sheets			Strip	Plates	Shapes	Bars		Alloy Bars			
City Delivery Charge*	Hot-Rolled (10 gage)	Cold-Rolled (20 gage)	Galvanized (16 gage)	Hot-Rolled Strip	Plates	Standard Structurals	Hot-Rolled (merchant)	Cold Finished	Hot-Rolled 8620 As Rolled	Hot-Rolled 4140 Annealed	Cold-Drawn 8620 As Rolled	Cold-Drawn 4140 Annealed
Atlanta	26.26	33.90	33.70	31.00	25.83	22.67	19.31	31.54	34.34	50.60	69.58	73.19
Baltimore	26.28	30.72	37.59	36.83	33.68	28.80	22.05	37.10	57.45	64.70	71.71	77.05
Birmingham	24.03	31.90	32.34	30.92	25.55	23.01	19.58	29.68	49.31	58.90	68.10	74.43
Boston	32.76	37.74	42.52	45.84	35.34	30.06	22.24	38.66	47.33	51.92	59.88	65.00
Buffalo	29.86	34.53	41.01	38.75	33.76	27.29	19.47	35.74	42.73	48.21	54.88	61.76
Chicago	28.94	34.49	37.97	34.66	25.87	23.72	17.70	32.28	36.87	41.47	48.10	53.18
Cincinnati	27.68	33.79	36.41	30.60	24.04	23.97	17.90	32.47	36.40	40.83	46.27	51.76
Cleveland	27.83	33.73	37.18	36.74	27.26	27.25	18.81	36.34	40.46	44.35	48.47	55.33
Denver	33.68	38.11	40.59	36.10	34.69	26.21	21.10	44.31	50.89	59.53	67.39	75.21
Detroit	28.26	34.80	37.86	31.69	26.63	27.74	15.96	32.63	36.47	40.91	46.42	54.09
Houston	30.43	32.95	38.93	40.82	29.00	27.96	24.02	41.29	49.03	57.20	64.25	71.38
Kansas City	30.80	36.08	40.00	37.77	28.03	28.27	19.72	33.98	42.59	45.72	52.90	60.26
Los Angeles	28.51	34.50	38.37	41.32	34.21	33.35	24.34	40.22	52.74	60.63	67.36	74.03
Memphis	25.34	33.05	34.52	33.57	27.06	28.48	22.33	34.94	36.78	49.96	59.80	69.44
Milwaukee	29.35	34.89	37.85	32.28	25.03	23.90	17.58	32.83	37.09	41.82	46.73	53.60
New York	30.89	37.51	42.55	40.22	34.62	27.21	21.06	41.14	46.66	50.94	61.12	67.29
Philadelphia	29.76	34.88	40.92	44.88	33.39	28.75	20.85	39.37	46.84	53.80	65.77	72.06
Pittsburgh	33.67	39.53	43.78	34.29	37.60	29.92	21.29	30.60	43.01	49.15	55.93	63.28
Portland	28.96	32.08	38.73	36.93	32.88	34.78	27.87	44.85	49.78	57.74	70.44	....
San Francisco	26.41	33.00	38.86	40.69	36.05	31.65	25.96	41.80	53.25	61.50	71.06	76.09
Seattle	24.08	32.19	36.23	34.23	24.23	27.32	25.75	39.45	52.66	65.10	73.74	78.35
Spokane	21.21	30.42	35.65	38.02	35.00	33.77	21.97	43.01	43.20	47.52	....	58.32
St. Louis	29.11	34.60	37.31	34.14	26.19	23.48	18.40	33.76	37.79	42.74	49.38	53.69
St. Paul	28.18	32.65	35.91	37.89	26.91	24.27	17.70	33.96	36.81	41.49	46.89	52.95

Base Quantities. All HR products may be combined for quantity. Hot-rolled sheet, 10 ga x 36 x 96—120; Cold-rolled sheet, 20 ga x 36 x 120; Galv. sheet—16 ga x 36—120; Hot-rolled strip—⅛" x 1"; Plate ¼" x 84/; Shapes—I-Beams 6 x 12.5; Hot-rolled bar—Rounds ¾-2 15/16; Cold finished bar—C 1018—1" rounds; Alloy bar—Hot-rolled 8620—1⅝" round; Cold drawn—1" round; Hot-rolled 4140—1⅝" round; Cold drawn—1" round. Check local supplier for additions or deductions from base.

*Prices at all points include metropolitan delivery charges.

Codes identify Producers listed in the Key on page 61. (Prices quoted are mill base prices in cents per pound unless otherwise noted and do not reflect extras or surcharges.) N.A.—Not available.

Billets, Blooms, Slabs

(Dollars per net ton)

Carbon Rerolling, Midwest
W5 $366.00
N4 $366.00
West
C6 $346.00
Carbon Forging, East
B3(2), C10, U1 $473.00
R3 $453.00
Midwest
R3, W5 $453.00
S1, U1, I3 $473.00
C10 $473.00
K2 $453.00
West
B3(2) $463.00
C6 $453.00
South
A7 $453.00
Alloy, East
R3, $492.00
B3, U1, C10 $512.00
Midwest
W5 $492.00
U1, C10, I3 $512.00
R3 $492.00
S1 $512.00
West
B3 $502.00
C6 $469.00
South
A7 $492.00

Piling Sheet Steel

(cents per lb)

Midwest
U1 26.45

Structurals

Carbon, East
B3 22.90
U1, J3 23.90
Midwest
A7 24.15
C20 22.90
W8 22.90
I3, T10, U1, N4 23.90
West
C6 25.10
B3(2) 21.65
South
C16, U1 23.90
T10 22.90
A8 Cmp*
High-Strength, Low Alloy, East
B3 22.90
U1, J3 23.90
Midwest
N4 23.90
W8 24.15
U1 23.90
I3 23.90
West
A7 24.40
B3 21.65
South
U1, C16 23.90
Wide Flange, Carbon, East
B3 22.90
U1, A7, J3 23.90
Midwest
U1 23.90
N4 23.90
I3 23.90
West
C6 24.15
South
A7 24.15

Strip

Hot-Rolled, Carbon, Cut ll Edge—all widths, East
U1, B3 23.75
J3 22.05
Midwest
A7, D1 22.05
I4 22.85
J3, D1, W3 22.05
G2, G3 23.45
N4 22.55
W5, S1 23.75
U1, B3, I3 23.75
M2, R3 22.05
West
B3 26.55
South
R3 22.05
Cold-Rolled, Carbon Max. 25%, East
E4 29.75
S10 29.60
P15 24.80
B4 36.60
G6 36.175
Midwest
I4 38.30
W14 32.80
J4 34.05
S1 37.05
High-Strength, Hot-Rolled, Low Alloy, Cut Edge & Mill Edge—all widths, (plus extras)*
Midwest
M2, R3, W3, J3, I3, A7 22.05
G2, G3 23.45
S1 23.75
South
R3 22.05
High-Strength, Cold-Rolled, Low Alloy, Mill Edge
Midwest
S1 37.05
Alloy, Hot-Rolled, Midwest (plus extras)*
S1 26.10
I4 25.20
Alloy, Cold-Rolled, East
C11, E4, M8 43.35
B4 47.25
P15 32.10
Midwest
I4 44.30
S1 44.80

Sheets

Hot-Rolled, Carbon (18 Ga & Hvyr), East
B3 23.75
J3 22.05
U1 23.75
Midwest
A7, M2, R3, W3 22.05
D1, J3 22.05
G2, G3 23.45
I4 22.45
U1, W5, S1, B3, I3 23.75
West
U1 24.25
South
R3 22.05
Cold-Rolled, East, Class I
B3(2) 28.15
J3 26.15
U1 28.15
Midwest
R3, M2, W3 26.15
G2, G3, M11 27.85
I4 22.00
J3, A7 26.15
D1 26.15
U1, W5, S1, B3, I3 28.15
West
U1 28.65
South
R3 24.65
Galvanized (hot-dipped), East
B3(2) 30.30
U1 30.30
Midwest
J3, D1, W3 28.00
A7, R3, Y1 28.00
G2, M11 30.00
U1, W5, S1, I3 30.30
West
U1 30.80
South
R3 28.00
Enameling, Midwest
U1, S1, I3 29.65
A7, J3 27.65
Long-Terne, Midwest
W5 31.65
U1 31.65
R3, A7 29.35

Wire Rod

East
B3(2) 22.35
Midwest
N4, K2 22.35
U1 24.10
West
A7 22.00
C6 21.45
South
G7 22.35

Tinplate

Electrolytic Tinplate
Single Reduced (70 lb)

East	per base box
J3	$26.29
U1	27.74
B3	27.54
Midwest	
U1	$27.74
J3	26.29
M11	27.24
W3	26.29
W5	27.74
West	
U1	$28.24
South	
U1	$27.74

Double Reduced (55 lb)**

Midwest	
M11	$21.87
J3	21.49
U1	22.37
W3	21.49
W5	22.37
West	
U1	$22.87
South	
U1	$22.37

Black Plate
Single Reduced (75 lb)*
East
B3 $24.31
Midwest
J3, W5 $24.01
I3, W5 24.57
W3 24.01
U1, M11 25.26
West
U1 $25.26
Double Reduced (55 lb)
East
B3 $20.49
Midwest
M11 $19.70
W5 19.70
J3 18.93
W3 18.93
W5 18.93
U1 19.70
West
U1 $19.70
South
U1 $19.70

*70 lb—base weight extra 45¢
**50 lb—base weight extra $1.40

Bars

Carbon Steel, Hot-Rolled
(Special quality)
East
R3, K3 25.80
R5 25.80
J3 25.80
U1, C10, B3(3) 27.05
Midwest
A7, I4 23.95
U1, I3 27.05
R3, T10, C20, N4 25.80
K2 25.80
I3 22.00*
West
B3 25.80
C6 24.45
South
A8 20.65
A7 25.80
C16 25.80
Cold-Finished Carbon, East
A11 22.15
R3 33.75
C21 21.15
J3(4), L2 31.00
M8, W10, T11, S8 31.00
N1 24.475
R4 33.25
B4 33.25
C10 31.00
Midwest
W10, R3, M9 33.25
J3 31.00
B1 33.45
L2 30.75
N9 31.00
W14 22.20
B5 34.75
West
R3 37.15
South
J3 34.00
C16 24.40
J3 31.95
Alloy, Hot-Rolled, East
R5, K3 27.95
R3, J3 27.95
U1, B3(2), C10 29.20
Midwest
A7, R3 27.95
I3, C10, U1 29.20
I4 26.10
I3 23.50*
West
B3 27.95
C6 26.60
South
A7 24.85
A8 22.00
Alloy, Cold Drawn, East
L2 35.20
R3, N1 37.90
R4 37.10
A11 30.50
J3, W10, L2 34.85
T11, S8 34.85
C10 34.85
Midwest
R3 37.35
J3, W10, C10 34.85
B1 37.30
N9 34.85
L2 34.65
B5 38.60
M9 37.10
West
R3 40.75
South
J3 35.85
C16 28.00

Plates

Carbon Steel, East
B3 23.25
L4, U1 25.75
P2 25.75
J3 26.75
Midwest
B3 23.25
I3 25.75
J3, A7 22.80
U1, I4, S1 25.75
R3 26.75
West
A7, C6 24.25
U1, B3 25.75
O2 23.00
South
R3 25.75
A7 25.75
U1 25.75
Alloy, East
B3 31.05
U1, L4 33.55
P2 33.55
J3 34.55
Midwest
B3 31.05
G2, G3 33.55
I4, U1 33.55
West
B3 33.55
O2 31.00
South
A7 27.55
U1 33.55

Wire

Carbon Steel Wire, East
B3 27.10
A11 22.15
Midwest
A7, R3 24.60
N4, W7 27.40
K2 24.20
South
A8 22.85
West
A7 25.95
C6 24.95

PRODUCER PRICES STEADY IN JUNE

Economic analysts are calling the June producer price data "rock hard evidence of stability in the economy."

Overall producer prices were unchanged in June for the third consecutive month.

Excluding food prices, the producer price index was unchanged in June compared with May, the Labor Department said. The index for capital equipment, which makes up about 22.2 pct of the index, was also unchanged.

Decreases in prices of motor vehicles, photographic equipment and commercial furniture balanced advances for aircraft, pumps and compressors, printing machinery, integrating and measuring instruments, oil and gasfield machinery and fans and blowers.

The rate of increase for the producer price index for January through June when figured yearly is 2.8 pct, well below the 5-6 pct range frequently forecast for this year. Combining April, May and June shows a slight 0.3 pct drop in prices for the second quarter of 1984, the government said. It is the first such three-month drop since the beginning period of 1983. The index measures prices business pays for nearly 3,400 commodities purchased in bulk. The absence of inflation at that level in the second quarter is helping keep prices consumers pay from moving at too great a rate.

Government analysts speculate that excess capacity abroad, combined with increased import competition stimulated by the strong dollar, probably will allow the U.S. economy to expand—without inflation—to higher levels of capacity use than has been evident in recent years.

Prices received by producers of intermediate materials, supplies and components moved up 0.4 pct in June, following increases of 0.1 and 0.3 pct in April and May. The index for durable manufacturing materials turned around from a 0.5 pct drop in May to a 0.7 pct advance in June.

Latest Month Covered: June 1984

Products	Index Reading For Month (1967 = 100)	Pct Change From Previous Month	Pct Change From Year-Ago Month
Metal Cutting Machine Tools	383.3	+ 0.1	+ 1.6
Metal Forming Machine Tools	424.1	+ 0.2	+ 2.1
Agricultural Machinery & Equip.	336.8	− 0.1	+ 3.2
Construction Machinery & Equip.	358.1	+ 0.1	+ 1.6
Industrial Process Furnace & Ovens	374.3	0	+ 3.6
Industrial Material Handling Equip.	288.7	+ 0.3	+ 1.3
Pumps, Compressors & Allied Equip.	349.4	+ 0.3	+ 0.5
Fluid Power Equip. (Dec. 1970 = 100)	258.7	+ 0.6	+ 2.1
Mechanical Power Transmission Equip.	323.8	0	+ 2.6
Automobiles	220.9	− 0.2	+ 1.7
Motor Trucks—Light	282.3	0	+ 4.6
Motor Trucks—Heavy	334.7	0	+ 7.0
Railroad Equipment	361.2	0	+ 3.2
Fabricated Metal Structural Products	311.1	+ 0.2	+ 3.0
Electric Motors	340.2	+ 0.1	+ 5.1
Valves & Fittings (Dec. 1982 = 100)	102.0	0	+ 1.9
Ball & Roller Bearings	337.9	− 0.9	+ 2.2
Cutting Tools & Accessories	277.9	0	+ 0.6
Heating Equipment	251.3	− 0.5	+ 3.4
Plumbing Fixtures & Brass Fittings	302.0	+ 0.1	+ 3.9
Metal Containers	348.2	0	+ 3.2
Miscellaneous Metal Products	294.5	+ 0.5	+ 3.9

Data based on U.S. Labor Dept.'s Producer Price Index